

Application No. 09/921,707  
Reply to Office Action of July 27, 2005

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method of remotely controlling wireless network devices comprising:

broadcasting a wireless menu request from a hand held control device to ~~a plurality of~~ electronic devices connected to a wireless local area network (LAN);

receiving a wireless menu response from one at least two of said electronic devices, ~~said each~~ wireless menu response including an identifier and a menu location associated with ~~said a respective~~ one of said electronic devices;

displaying a representation of said one of said at least two electronic devices on a display of said hand held control device;

selecting said one of said ~~at least two~~ electronic devices based on a user input to said hand held device; and

establishing a control connection with said selected electronic device via said wireless LAN, wherein

said step of broadcasting a wireless menu request comprises broadcasting said menu request to electronic devices connected to the wireless LAN using a communication protocol incompatible with said control device, and

said step of establishing a control connection comprises establishing a control connection between said control device and said selected electronic device via a main server of said wireless LAN, the main server including protocol conversion software for translating communication messages between the control device and selected electronic device.

Claim 2 (Currently Amended): The method of Claim 1, wherein,

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said step of broadcasting comprises transmitting a menu request to electronic devices capable of communicating using a predetermined protocol compatible with the control device, and

said step of receiving comprises also receiving a menu response ~~only from said~~ another electronic device which is ~~devices~~ capable of communicating using said predetermined protocol.

Claim 3 (Original): The method of Claim 2, wherein said step of transmitting comprises transmitting a menu request to electronic devices capable of communicating using a hypertext transfer protocol (http).

Claim 4 (Currently Amended): The method of Claim 2, wherein said step of establishing a control connection comprises establishing a control connection directly between the control device and the another electronic device ~~devices capable of communicating~~ using said predetermined protocol.

Claim 5 (Canceled):

Claim 6 (Original): The method of Claim 1, wherein said broadcasting comprises transmitting said wireless menu request at a predetermined transmit power corresponding to a communication area of said wireless LAN.

Claim 7 (Original): The method of Claim 6, further comprising adjusting said predetermined transmit power on said control device to change said communication area of said wireless LAN.

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Claim 8 (Original): The method of Claim 6, wherein said transmitting at a predetermined transmit power comprises:

determining a signal strength of said wireless menu response; and  
setting a transmit power of said control device based on said signal strength determined.

Claim 9 (Currently Amended): The method of Claim 1, wherein said receiving comprises receiving a plurality of said wireless menu ~~response~~ responses from a plurality of ~~more than two~~ electronic devices connected to said wireless LAN.

Claim 10 (Currently Amended): The method of Claim 9, wherein said step of selecting said electronic device comprises:

displaying a list of said plurality of ~~more than two~~ electronic devices; and  
selecting one of said plurality of ~~more than two~~ electronic devices based on user selection from said list.

Claim 11 (Currently Amended): The method of Claim 10, wherein said displaying a list comprises displaying a text list of said plurality of ~~more than two~~ electronic devices.

Claim 12 (Currently Amended): The method of Claim 10, wherein said displaying a list comprises displaying a graphical menu including said plurality of ~~more than two~~ electronic devices.

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Claim 13 (Currently Amended): The method of Claim 10, wherein said step of displaying a list comprises:

displaying a first portion of said plurality of ~~more than two~~ electronic devices from which a wireless identification message is received;

displaying an option to display others of said plurality of ~~more than two~~ electronic devices; and

displaying a second portion of said plurality of ~~more than two~~ devices based on user selection of said option to display others of said plurality of ~~more than two~~ electronic devices.

Claim 14 (Currently Amended): The method of Claim 10, wherein said displaying a list comprises displaying a list of said plurality of ~~more than two~~ electronic devices in a predetermined order.

Claim 15 (Currently Amended): The method of Claim 14, wherein said displaying a list of said plurality of ~~more than two~~ electronic devices in a predetermined order comprises displaying a list of said plurality of ~~more than two~~ electronic devices based on the frequency of user access to the electronic devices.

Claim 16 (Currently Amended): A hand held control device for remotely controlling wireless network devices comprising:

a transmitter configured to broadcast a wireless menu request from the hand held control device to a ~~plurality of~~ electronic devices connected to a wireless local area network (LAN);

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a receiver configured to receive a wireless menu response from one ~~at least two~~ of said electronic devices, said each wireless menu response including an identifier and a menu location associated with said a ~~respective~~ one of said electronic devices; and

a display configured to display a representation of said one of said ~~at least two~~ electronic devices;

a processor in communication with said transmitter and receiver, said processor configured to select said one of said ~~at least two~~ electronic devices in response to a user input to the hand held device, and establish a control connection with said selected electronic device via said wireless LAN, wherein

said transmitter is configured to broadcast a wireless menu request by broadcasting said menu request to electronic devices connected to the wireless LAN and using a communication protocol incompatible with said control device, and

said processor is configured to establish a control connection by establishing a control connection between said control device and said electronic device via a main server of said wireless LAN, the main server including protocol conversion software for translating communication messages between the control device and electronic device.

Claim 17 (Currently Amended): The control device of Claim 16, wherein,

said transmitter is configured to broadcast a wireless menu request by transmitting a menu request to electronic devices capable of communicating using a predetermined protocol compatible with the control device, and

said receiver is configured to receive a wireless menu response by also receiving a menu response ~~only~~ from said another electronic device which is ~~devices~~ capable of communicating using said predetermined protocol.

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Claim 18 (Original): The control device of Claim 17, wherein said transmitter is configured to transmit a menu request by transmitting the menu request to electronic devices capable of communicating using a hypertext transfer protocol (http).

Claim 19 (Currently Amended): The control device of Claim 17, wherein said processor is configured to establish a control connection by establishing a control connection directly between the control device and the another electronic device ~~devices capable of communicating~~ using said predetermined protocol.

Claim 20 (Canceled):

Claim 21 (Original): The control device of Claim 16 wherein said transmitter is configured to broadcast a wireless menu request by broadcasting said wireless menu request at a predetermined transmit power corresponding to a communication area of said wireless LAN.

Claim 22 (Original): The control system of Claim 21, further comprising an adjustment device for adjusting said predetermined transmit power on said transmitter to change said communication area of said wireless LAN.

Claim 23 (Original): The control system of Claim 21, wherein said processor is configured to:

determine a signal strength of said wireless menu response; and  
set a transmit power of said transmitter based on said signal strength determined.

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Claim 24 (Currently Amended): The control system of Claim 16, wherein said receiver is configured to receive a plurality of said wireless menu response responses from ~~more than two~~ a plurality of electronic devices connected to said wireless LAN.

Claim 25 (Currently Amended): The control system of Claim 24, wherein said processor is configured to select said electronic device by:  
displaying a list of said plurality of more than two electronic devices on a display; and  
selecting one of said plurality of more than two electronic devices based on user selection from said list.

Claim 26 (Currently Amended): The control device of Claim 25, wherein said processor is configured to display a list by displaying a text list of said plurality of more than two electronic devices on said display.

Claim 27 (Currently Amended): The control device of Claim 25, wherein said processor is configured to display a list by displaying a graphical menu including said plurality of more than two electronic devices on said display.

Claim 28 (Currently Amended): The control device of Claim 25, wherein said processor is configured to display a list by:  
displaying on the display a first portion of said plurality of more than two electronic devices from which a wireless identification message is received;  
displaying on the display an option to display others of said plurality of more than two electronic devices; and

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displaying on the display a second portion of said plurality of more than two electronic devices based on user selection of said option to display others of said plurality of more than two electronic devices.

Claim 29 (Currently Amended): The control device of Claim 25, wherein said processor displays a list by displaying a list of said plurality of more than two electronic devices on the display in a predetermined order.

Claim 30 (Currently Amended): The control device of Claim 29, wherein said processor displays a list of said plurality of more than two electronic devices in a predetermined order by displaying on the display a list of said plurality of more than two devices based on the frequency of user access to the electronic devices.

Claim 31 (Currently Amended): A hand held control device for remotely controlling wireless network devices comprising:

means for broadcasting a wireless menu request from a hand held control device to a plurality of electronic devices connected to a wireless local area network (LAN);

means for receiving a wireless menu response from one at least two of said electronic devices, said each wireless menu response including an identifier and a menu location associated with a respective the one of said electronic devices;

means for displaying a representation of said at least two one of said electronic devices;

means for selecting said one of said at least two electronic devices device based on a user input to said hand held control device; and



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means for establishing a control connection with said selected electronic device via said wireless LAN, wherein

said means for broadcasting a wireless menu request comprises means for broadcasting said menu request to electronic devices connected to the wireless LAN using a communication protocol incompatible with said control device, and

said means for establishing a control connection comprises means for establishing a control connection between said control device and said selected electronic device via a main server of said wireless LAN, the main server including protocol conversion software for translating communication messages between the control device and selected electronic device.

Claim 32 (Previously Presented): The control device of Claim 31, wherein said means for broadcasting comprises means for transmitting said wireless menu request at a predetermined transmit power corresponding to a communication area of said wireless LAN, said system further comprising means for adjusting said predetermined transmit power on said control device to change said communication area of said wireless LAN.

Claim 33 (Currently Amended): A computer readable medium containing program instructions for execution on a computer system, which when executed by the computer system, cause the computer system to perform the steps in the method recited in any one of Claims [[1-15]] 1-4 and 6-15.